## ISSUE SLIP STAPLE AREA (for additional cross references)

| FEDITION                  | INITIALS | ID NO.  | DATE       |
|---------------------------|----------|---------|------------|
|                           | 101      |         | المالعالما |
| FEE DETERMINATION         | in v.    |         | 0113       |
| O.I.P.E. CLASSIFIER       |          | ,21     | 7/28/01    |
| FORMALITY REVIEW          | TH       | 953     | 08-01-01   |
| RESPONSE FORMALITY REVIEW | A . M    | JC 581) | 08-06-01   |
|                           |          |         | 4          |

## **INDEX OF CLAIMS**

| Rejected                                       | N Non-elected  |
|--|----------------|
| = Allowed                                      | I Interference |
| <ul> <li>(Through numeral) Canceled</li> </ul> | A Appeal       |
| ÷ Restricted                                   | O Objected     |

| Cla      | im T        |           |          |  |          | Dat  |  |                |          | -               | $\neg$   | Cla      | im         |          | _             |                 |          | Date     |          |          |            |           | 7        | Cla      | im       |                     | _         |          | _        | Dat        | <br>e      |               |          | —             |
|----------|-------------|-----------|----------|--|----------|--|--|----------------|----------|-----------------|----------|----------|------------|----------|---------------|-----------------|----------|----------|----------|----------|------------|-----------|----------|----------|----------|---------------------|-----------|----------|----------|------------|------------|---------------|----------|---------------|
|          | $\neg \tau$ | انہ       | -        |  | -        | Jai  | ř  |                |          | 1               | $\dashv$ |          |            | 7        | $\overline{}$ | 1               | _1       |          |          |          |            | -1        |          | 1016     |          | 7                   |           | ī        | 1        |            | <u>~</u> 7 |               |          | -             |
| - !      | ᅙ           | 20/61/11  |          |  |          |  |  |                |          |                 | J        |          | ᅙ          | 1/19/02  |               |                 |          |          |          |          | i          |           |          |          | Original | - 1                 |           |          |          |            | - 1        |               | J        | ı             |
| Final    | 를           | 틧         |          |  |          |  |  |                |          |                 | l        | la l     | į          | Ę        |               | ll              | - 1      | - [      | - 1      | l        | l          | Į         |          | Final    | 흔        | l                   | Į         |          | Į        | ı          | l          | l             | l        | l             |
| 谎        | کھ          | 三         |          |  |          |  |  |                |          |                 |          | Œ        | Original   | <u> </u> | _             |                 |          |          | $\perp$  |          |            |           | _        | ΙŒ       | Ō        | _                   | _         | $\Box$   |          |            | _          |               |          | _             |
| ı        | Driginal    | ÷         | ĺ        |  | - 1      |  |  | 1              |          |                 | _1       |          | 51         | ÷        |               |                 |          | ]        |          |          |            | _         | ┚        | ļ_       | 101      |                     |           |          |          |            |            |               |          |               |
|          | Ž           | П         |          |  |          |  |  |                |          |                 | $\neg$   |          | 52         | Т        |               |                 |          |          | _ [      |          | 7          | T         | 7        |          | 102      |                     |           |          |          | _          |            | 7             |          |               |
| ╗        | 3           | 11        |          |  | _        |  |  |                | М        | $\neg$          | _        |          | 53         | 1        |               | П               | _        |          |          | _        | 7          |           |          |          | 103      | $\neg$              | ٦         |          |          |            | _          |               | $\neg$   | $\neg$        |
|          | 4           | ╂╂        | ᅥ        |  |          | _  | -  | Н              | Н        | -               | $\dashv$ | <u> </u> | 54         | +        | _             | H               | -1       | -        |          | ┪        |            | ┪         |          |          | 104      | -+                  | $\dashv$  |          | $\dashv$ | -          | -1         |               | -        | 7             |
| $\dashv$ | 5           | ╫         |          | H  |          |  |  |                | Н        | -+              | $\dashv$ | _        | 55         | ╅        |               | Н               | -+       | $\dashv$ | 一        |          | -          | +         | $\dashv$ | <u> </u> | 105      | 一十                  | $\dashv$  | $\vdash$ |          | $\dashv$   |            | _             | -†       | $\dashv$      |
|          | _           | ╫         |          |  |          |  | -  |                | ⊦⊣       |                 |          | $\vdash$ | 56         | +        | -             | $\vdash$        | -        | $\dashv$ | -+       | $\dashv$ | -1         | +         |          | -        | 106      | $\dashv$            | $\dashv$  | H        | -        | $\dashv$   |            | $\dashv$      | -+       | $\dashv$      |
|          | 6           | 44        |          |  |          |  | <u> </u>   | <u> </u>       | $\vdash$ |                 |          | <u> </u> |            | +        | <u> </u>      | $\vdash \vdash$ |          | -        |          |          |            | +         |          |          | 107      |                     | 4         | $\vdash$ |          | $\dashv$   | 1          | $\rightarrow$ | $\dashv$ | +             |
|          | 7           | Ш         | _        |  | _        |  |  | Щ              | L_       | 4               | _        | <u> </u> | 57         | 4        | _             | Ш               |          | 4        | _        | 4        | _+         | _         |          | <u> </u> |          |                     | _         | Ш        | Щ        | _          |            | _             |          | $\dashv$      |
|          | 8           | Ш         |          |  |          |  |  |                |          |                 | _        |          | 58         | 1        |               | $\sqcup$        | _        | _        | _        | _        | _          | _         |          | -        | 108      |                     |           | $\Box$   |          | _          | _          |               |          | _             |
|          | 9           | П         |          |  |          |  |  |                |          |                 |          |          | 59         |          |               |                 |          | _        |          | l        |            | _         |          |          | 109      |                     |           |          |          |            |            |               |          |               |
|          | 10          | П         |          |  |          |  | П  |                |          | П               |          |          | 60         |          |               |                 | ╗        | I        | [        |          |            | - [       |          |          | 110      |                     |           |          |          | - [        |            | .             | -[       |               |
|          | 11          | Ħ         |          | _  | _        | -  | _  | T              |          | П               |          |          | 61         | T        |               | П               | $\neg$   | _        | $\neg$   |          | 7          |           |          |          | 111      |                     |           |          |          |            |            |               | 7        |               |
| $\neg$   | 12          | $\dagger$ |          |  | _        |  |  |                | Н        | Н               | $\neg$   |          | 62         | +        |               | П               |          |          | -1       | 一        | -          | 寸         | $\neg$   |          | 112      | _                   | $\exists$ | П        |          |            |            | -             | $\neg$   | 寸             |
| $\dashv$ | 13          | +         | -        | $\vdash$   | $\vdash$ |  | <del>                                     </del> | ┢              | $\vdash$ | $\vdash$        | $\dashv$ | -        | 63         | +        | $\vdash$      | $\vdash$        | -        | -        | $\dashv$ | $\dashv$ | -          | 寸         | $\neg$   | 1        | 113      | 1                   |           | Н        | $\vdash$ | 一          |            | $\dashv$      | -1       | 7             |
| -1       | 14          | ╫         | -        |  | -        |  | ├  | ├-             | $\vdash$ | $\vdash$        |          | -        | 64         | +        | e.            | $\vdash$        | -        |          | -        |          | $\dashv$   | $\dashv$  | $\dashv$ | -        | 114      | +                   | $\dashv$  | $\vdash$ | $\vdash$ |            | $\dashv$   | -             | -        | $\dashv$      |
| _        | 14          | 41        |          | H  |          |  | ├-   | -              | $\vdash$ | $\vdash$        |          | -        |            | 4        |               | $\vdash$        | }        | -4       | ∤        |          | -+         | +         |          | -        |          | $\dashv$            | {         | Н        | $\dashv$ |            |            | $\dashv$      | -        | $\rightarrow$ |
|          | 15          | Ш         |          | Ш  | <u>_</u> | _  | <u> </u>   | ļ              | <u> </u> | $\sqcup$        | _        | <u> </u> | 65         | +        | <u> </u>      |                 |          |          |          |          | _          |           |          | <u> </u> | 115      | $\dashv$            |           | $\vdash$ | $\sqcup$ |            |            |               | _        |               |
|          | 16          | Ш         |          |  | ot       |  | <u>L</u>   | <u> </u>       | Ш        | Ш               |          | <u> </u> | 66         | 1        | <u> </u>      | Щ               |          |          | _        | $\Box$   |            | _         |          | -        | 116      | _                   | _         |          |          |            |            |               | _        |               |
| ]        | 17          | ∐         |          |  |          | L  | L  | L              | L        |                 |          |          | 67         | $\perp$  | L             |                 |          |          | [        |          |            | $\perp$   |          |          | 117      |                     |           | $\Box$   |          | $_{\perp}$ |            |               |          | $\perp$       |
|          | 18          | П         |          |  |          |  | Г  | i -            | Π.       | П               | _        |          | 68         |          |               |                 |          |          |          |          | - [        |           |          |          | 118      | - 1                 |           |          |          |            |            |               |          |               |
|          | 19          | 11        | _        |  |          |  |  | Г              |          |                 |          | •        | 69         | T        |               | П               |          | $\neg$   |          | T        |            |           |          |          | 119      |                     |           |          |          |            |            |               | $\neg$   | $\neg$        |
| _        | 20          | H         | _        | -  | _        |  | ┢╌   | $\vdash$       | -        |                 |          | $\vdash$ | 70         | +        | -             | Н               |          |          | _        | $\neg$   | -1         | $\exists$ | $\neg$   | -        | 120      | -                   | ᅥ         | Н        |          | 一          |            | $\neg$        | 一        | $\dashv$      |
|          | _           | 4         | _        |  | ш        | -  | <u> </u>   | <u> </u>       | -        | $\vdash$        |          | -        |            | +        | -             | Н               |          |          | -        |          |            | +         |          | -        | 1        |                     | 4         | Н        |          | $\dashv$   |            |               |          | $\dashv$      |
| _1       | 21          | 4         |          | <u> </u>   |          |  | <u> </u>   | _              | _        | Щ               |          |          | 71         | 1        | _             |                 |          | -1       |          | _        |            | 4         |          |          | 121      |                     | _         |          | $\Box$   |            | _          | _             | -4       | -             |
|          | 22          | Ш         |          |  |          | L  |  | _              | L        |                 |          | L        | 72         | 1        | _             | Щ               |          | _        | _        | $\dashv$ | _          | _         | _        |          | 122      |                     | _         | Щ        | $\Box$   | _          |            | _             | _        | 4             |
| 1        | 23          | Ш         |          |  | L.       |  |  |                |          |                 |          | L        | 73         | ┙        | _             |                 |          | _        |          |          |            |           | _        |          | 123      |                     |           |          |          |            |            | _             | _        | $\dashv$      |
|          | 24          |           |          | Γ  |          |  |  | П              |          |                 |          |          | 74         |          |               |                 |          | - 1      | 1        |          |            |           |          |          | 124      |                     |           | i        |          |            |            |               |          |               |
|          | 25          | Т         |          |  |          | Т  |  |                |          |                 | $\neg$   |          | 75         | Т        |               |                 |          |          |          |          |            |           | $\neg$   |          | 125      |                     |           |          |          |            |            |               |          | $\neg$        |
|          | 26          | T         |          | 一  | _        | Г  |  |                | _        | H               | _        |          | 76         | 1        |               |                 | コ        |          | $\neg$   |          | $\neg$     |           | _        |          | 126      |                     |           |          |          |            |            |               | $\neg$   | T             |
|          | 27          | Н         |          | $\vdash$   | -        | $\vdash$   | -  | ⊢              | -        | Н               | $\dashv$ | -        | 77         | +        | ┢             | H               | ┪        | $\neg$   | -        |          | -          | _         |          | -        | 127      | 1                   | _         | 1        |          | -          |            |               | -        | $\dashv$      |
| -        | 28          | +         |          | ⊢  | -        | ├  | -  | ┢              | -        | Н               |          |          |            | +        | _             | -               | $\dashv$ | -1       |          | -1       | -          | -+        | $\dashv$ |          | 128      | -+                  | -         | -        |          |            |            | -             | $\dashv$ | $\dashv$      |
| _        |             | +1        |          | L  |          | <u> </u>   |  | <u> </u>       | -        | Н               | -        |          | 78)<br>79  | +        | _             | $\vdash$        | $\dashv$ | -        |          |          | -          | -+        |          |          | 129      | -+                  | _         | $\vdash$ |          |            | _          |               | $\dashv$ | +             |
|          | 29          | 4         |          | <u> </u>   | _        | <u> </u>   | _  | <u> </u>       | Ш        | $\sqcup$        |          | <u> </u> |            | 4        | _             |                 |          | _        | _        |          |            | -         |          | <u> </u> |          |                     | _         |          |          |            |            | _             |          | 4             |
|          | 30)         | Ш         |          |  |          |  | L  | L              | L_       | Ш               | _        | L        | 80         | 1        |               |                 |          | _        | _        | _        | _          | _         | _        |          | 130      |                     | _         | Ш        |          | _          |            | _             | _        |               |
|          | 31          |           |          | L  |          | L  | ١.   | 1              |          |                 |          | L        | 81         | 1        | ١.            |                 |          | _        |          |          | 1          |           |          | L        | 131      |                     |           |          |          |            |            |               |          |               |
|          | 32          | $\Box$    |          | Г  |          | Г  | Γ  |                |          | П               |          |          | 82         |          |               |                 |          |          |          | - 1      |            | - 1       |          |          | 132      |                     |           |          |          |            |            | ĺ             | - [      |               |
|          | 33          | П         |          |  |          |  | Γ  |                |          | П               | $\neg$   |          | 83         | T        | Γ.            | П               | $\neg$   |          | ٦        |          | T          | 7         | $\neg$   |          | 133      |                     |           |          |          |            |            |               | ╗        |               |
| -        | 34          | T         |          |  | _        |  | Г  | T              | $\Box$   |                 | $\neg$   |          | 84         | +        |               |                 | _        | $\neg$   |          |          | <b>-</b> † | 1         | _        |          | 134      | 7                   |           | П        |          |            |            |               | 寸        | 寸             |
| -        | 35          | +         |          | Η-   |          | -  | $\vdash$   | t              | $\vdash$ | $\vdash$        | -        | -        | 85         | +        | -             | $\vdash$        | $\dashv$ | $\dashv$ |          | -        | -          | +         | _        | <u> </u> | 135      | +                   | -         |          |          |            |            | -             | 一        | $\dashv$      |
| -        | 36          | +         |          | ├  | $\vdash$ | -  | $\vdash$   | 1              | -        | $\vdash$        |          | -        | 86         | +        | <del> </del>  | $\vdash$        | -        |          |          |          | $\dashv$   | +         | $\dashv$ | -        | 136      | $\vdash \uparrow$   | -         | $\vdash$ | $\vdash$ | H          |            | $\vdash$      | $\dashv$ | $\dashv$      |
|          |             | 41        |          | <u> </u>   | <u> </u> | -  | -  | ├-             | $\vdash$ | $\vdash \vdash$ | $\dashv$ | -        |            | +        | $\vdash$      | $\vdash$        | $\dashv$ |          |          |          |            | -+        |          | -        | 137      | $\vdash +$          | _         | Н        | $\vdash$ |            | -          | $\dashv$      |          | $\dashv$      |
| _        | 37          | 41        | _        | <u> </u>   | <u> </u> |  | ┞  | <u> </u>       |          | $\sqcup$        | _        |          | <b>9</b> 7 | 4        | <b>⊢</b>      | $\vdash$        | _        |          | _        |          | -          |           | $\dashv$ | <u> </u> | 1        |                     |           | Н        | Ш        | _          | _          |               |          | -+            |
|          | 38          | Ш         |          | L  | L        | L  | <u> </u>   | _              |          | $\sqcup$        |          | <u> </u> | 88<br>89   | L        | <u>L</u>      |                 | _        | _        | _        |          | _          |           | _        | <u> </u> | 138      | Ш                   | _         | Ш        | $\Box$   | Щ          | Ш          |               | _        | 4             |
|          | 39          | П         |          | L  |          | L  |  | L              | $\Box$   | L!              |          |          | 89         | Ш        |               |                 | l        | l        | [        | l        |            |           |          |          | 139      | ot                  | i         |          | Ш        |            |            |               | {        | ┙             |
|          | 40          | П         |          | _  |          |  | Γ  | Г              |          | ıT              | 7        |          | 99         | 1        | _             |                 | 7        |          | 刁        |          | 7          | T         | 1        |          | 140      |                     |           |          |          |            |            |               | Ī        |               |
| -        | 41          | +         |          | <del>                                     </del> | $\vdash$ | <del>                                     </del> | $\vdash$   |                |          | $\vdash$        |          |          | 91         | 1        |               |                 | _        | $\neg$   | -        | $\dashv$ | _          | 7         | $\dashv$ |          | 141      |                     |           | М        | Н        | $\neg$     |            | $\neg$        | $\dashv$ | $\dashv$      |
| -        | 42          | +         | -        | $\vdash$   | -        | $\vdash$   | -  | 1              | -        | $\vdash$        |          | -        | 92         | i        |               | $\vdash$        | -        | -        |          | -        | -          | -         |          | -        | 142      | -+                  | -         | Н        | Н        |            |            | $\dashv$      | -        | -             |
|          |             | +         |          | $\vdash$   | <u> </u> | $\vdash$   | ├-   | -              | ┝,       |                 |          | <u> </u> |            | +        | -             | ┞─┤             |          | $\dashv$ |          | $\dashv$ | -+         | $\dashv$  | $\dashv$ | -        | 143      |                     | _         |          | $\vdash$ | $\dashv$   | -          | -             | $\dashv$ | +             |
|          | 43          | 4         |          | <u> </u>   |          | <u> </u>   | <u> </u>   | <del> </del> _ | $\vdash$ |                 |          | <u> </u> | 93         | Ļ        |               | $\vdash \dashv$ |          |          | _        |          | _          | -         | _        | -        |          |                     | _         | $\vdash$ |          |            |            |               |          | $\dashv$      |
| _        | 44          | Ш         | _        |  | L.       |  | _  | <u>L</u>       | <u>_</u> | $\sqcup$        |          | -        | 94         | _        | _             |                 |          | _        | _        |          | _          |           | _        | <u> </u> | 144      | $\sqcup \downarrow$ |           | $\Box$   |          | Ш          |            |               | _        | _             |
|          | 45          | $\perp$   |          |  | L        |  | L  |                | L        |                 |          |          | 95         | _        | _             |                 |          |          |          |          |            |           |          | L        | 145      | $\perp$             |           | L        |          |            |            |               |          | $\dashv$      |
|          | 46          | T         |          |  |          |  |  |                |          |                 |          |          | 96         |          | l             | _]              | 1        | _]       |          | ]        | T          |           | 7        |          | 146      |                     |           |          |          |            |            | ]             | [        | $\perp$       |
|          | 47          | T         |          | Ī  |          | Γ  |  |                | Γ        |                 |          |          | 97         |          |               |                 |          | $\neg$   |          |          | T          | $\neg$    | $\neg$   |          | 147      |                     |           |          |          |            |            |               |          | T             |
| _        | 48          | +         | $\vdash$ | $\vdash$   | $\vdash$ |  | $\vdash$   | 1              | $\vdash$ | $\vdash$        | $\dashv$ |          | 98         | _        | $\vdash$      | Н               | -        | -        | -        | $\dashv$ | $\dashv$   | +         | $\dashv$ |          | 148      | 1                   | -         | $\vdash$ |          | -          |            | -             | 7        | $\dashv$      |
| _        | 49          | +         | $\vdash$ | <del>                                     </del> | $\vdash$ | <del> </del>                                     | $\vdash$   | 1              | $\vdash$ |                 | 一        | -        | 99         |          | 1             | $\vdash$        | -        | 一        | -        | $\neg$   | 十          | -+        | $\dashv$ | $\vdash$ | 149      | $\dashv$            | $\dashv$  | Н        | $\vdash$ |            | $\neg$     |               | $\dashv$ | $\dashv$      |
|          |             | ÷         | _        | ₩  | -        | ⊢-   | -  |                | ₩-       | $\vdash$        |          | <u> </u> | 100        |          | <u> </u>      |                 | _        |          |          |          | -          | -+        |          | ⊢        | 150      |                     | _         |          | _        |            | -          |               |          | -+            |

If more than 150 claims or 10 actions staple additional sheet here